



STIC Search Report

EIC 3700

STIC Database Tracking Number 156656

TO: Patricia Martin
Location: RND 8a40
Art Unit: 3700
Thursday, June 16, 2005

Case Serial Number: 09/967306

From: Terry Solomon
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RND 8b31
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Search Notes

No current or past litigation found involving US pat. 6170514.

Sources:

Lexis/Nexis
Questel-Orbit

233396 (09) 6170514 January 9, 2001

Time of Request: June 15, 2005 11:33 AM EDT

Research Information:

Utility, Design and Plant Patents
patno=6170514

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6170514

January 9, 2001

City water flushing and sludge prevention control apparatus

REISSUE: September 28, 2001 - Reissue Application filed Sep. 28, 2001 (O.G. Dec. 4, 2001) Ex. Gp.: 3753; Re. S.N. 09/967,306 (O.G. December 4, 2001)

APPL-NO: 233396 (09)

FILED-DATE: January 19, 1999

GRANTED-DATE: January 9, 2001

ASSIGNEE-AT-ISSUE: Esmailzadeh, Karim, Rochester, Minnesota, 04

LEGAL-REP: Rider Bennett Egan & Arundel; Helger, Gerald E.

Selected file: PLUSPAT
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Comprehensive Worldwide Patents database

**** SS 1: Results 1**
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image

Patent Number :

US6170514 B1 20010109 [US6170514]

Title :

(B1) City water flushing and sludge prevention control apparatus

Patent Assignee :

(B1) ESMAILZADEH KARIM (US)

Patent Assignee :

Esmailzadeh, Karim, Rochester MN [US]

Inventor(s) :

(B1) ESMAILZADEH KARIM (US)

Application Nbr :

US23339699 19990119 [1999US-0233396]

Priority Details :

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Intl Patent Class :

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EPO ECLA Class :

B01D-029/27
B08B-009/02M2B4
E03B-007/07
E03B-007/09
F15B-007/00E
F15B-007/08
F16K-031/163B

US Patent Class :

ORIGINAL (O) : 137238000; CROSS-REFERENCE (X) : 073863810 073863860
134098100 134099100 134166000C 134171000 137272000 137544000
137597000 251058000

Document Type :

Basic

Citations :

US-659643; US2269382; US2910266; US3023768; US3650506; US3737142;
US3982725; US4087074; US4260128; US4597556; US4756479; US5201338

Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

Abstract :

For use with a city water system having a plurality of street water mains interconnected by branch water mains and having hydrants connected to the branch water mains, a city water flushing and sludge prevention apparatus consisting of: a sludge-prevention control valve insertable into a branch water main between two street water mains and closer to one of the two street water mains; the sludge-prevention control valve in the closed position preventing water from flowing through the branch water main from the closer street water main during a flushing operation, whereby all water flows through the branch water main from the more distant street water main and thereby flushes the portion of the branch water main between the sludge-prevention control valve and the more distant street water main; and a control mechanism adapted to close and open the sludge-prevention control valve.

Update Code :

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1 / 1 LGST - @EPO

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EFFECTIVE DATE: 20010928
Update Code :
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Patent Assignee :
Esmailzadeh Karim
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